

50 Beale Street San Francisco, CA 94105-1895 Mailing address: P.O. Box 193965 San Francisco, CA 94119-3965 107 00033

Memorandum

To:	Paul La Co	urreye, EPA Region IX
Subject:	Completed	Work
cc:	Susan Naug	ghton, BEI ARCS
PA_	X	ompleted document: Summary PA SI
	Name:	E. 14th St. Auto Wreckers (8) CAD 983566472
City	, County:	Ashland, Alameda County, California
		For EPA Use Only
		For EPA Use Only
EPA Further	Action Determ	nination:
PA Lead: _		F/
Sign Off Dal	te:	LB.92



Initials of Work Assignment Manager:



50 Beale Street San Francisco, CA 94105-1895 Mailing address: P.O. Box 193965 San Francisco, CA 94119-3965

Preliminary Assessment

Site: E. 14th St. Auto Wreckers

16552 East 14th Street

Ashland

Alameda County, California

Site EPA ID Number: CAD 983566472

Work Assignment Number: 60-14-9J00, ARCSWEST Program

Submitted to: Paul La Courreye

Work Assignment Manager

EPA Region IX

Date: January 9, 1992

Prepared by: Jan Whittington

Review and Concurrence: Susan M. Naughton



1.0 INTRODUCTION

The U.S. Environmental Protection Agency (EPA), Region IX, under the authority of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) and the Superfund Amendments and Reauthorization Act of 1986 (SARA) has tasked Bechtel Environmental, Inc., to conduct a Preliminary Assessment (PA) at the E. 14th St. Auto Wreckers facility located at 16552 East 14th Street in Ashland, Alameda County, California.

The purpose of the PA is to review existing information on the site and its environs to assess the threat(s), if any, posed to public health, welfare, or the environment and to determine if further investigation under CERCLA/SARA is warranted. The scope of the PA includes the review of information available from federal, state, and local agencies, completion of a target survey, and performance of an onsite reconnaissance visit.

Using these sources of information, the site is then evaluated using EPA's Hazard Ranking System (HRS) criteria to assess the relative threat associated with actual or potential releases of hazardous substances at the site. The HRS has been adopted by the EPA to help set priorities for further evaluation and eventual remedial action at hazardous waste sites. The HRS is the primary method of determining a site's eligibility for placement on the National Priorities List (NPL). The NPL identifies sites at which EPA may conduct remedial response actions. This report summarizes the findings of these preliminary investigative activities.

The E. 14th St. Auto Wreckers site was identified as a potential hazardous waste site and entered into the Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) on June 6, 1990 (CAD ID 983566472). The site was entered into CERCLIS based on a telephone call from a neighbor complaining about contaminated soil on the site (1).

1.1 Apparent Problem

The E. 14th St. Auto Wreckers facility has been in operation for approximately 45 years. Waste oil, solvents, and other potentially hazardous fluids associated with automobiles may have caused soil and ground-water contamination. The presence, volume, and concentration of these hazardous substances are unknown.

2.0 SITE DESCRIPTION

2.1 Location

As shown on Figure 2-1, the E. 14th St. Auto Wreckers facility is located at 16552 East 14th Street in the town of Ashland in Alameda County, just southeast of the City of San Leandro. The geographic coordinates are 37° 41' 5"N latitude and 122° 6' 50"W longitude (Township 3 South, Range 2 West, Section 7 of the Mount Diablo Baseline and Meridian; Hayward, CA, 7.5-minute quadrangle).

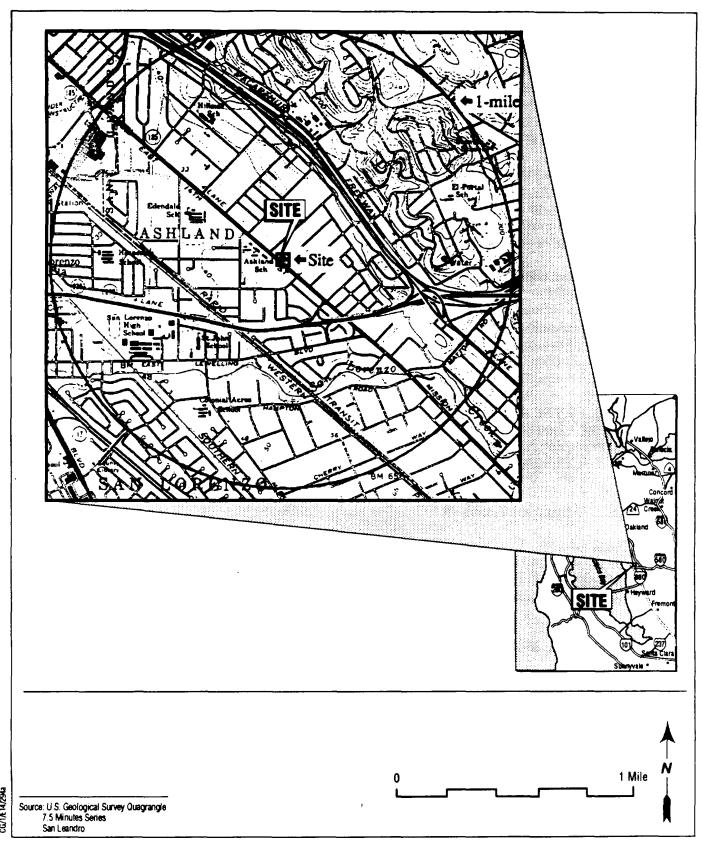


Figure 2-1 Site Location Map

2.2 Site Description

The property is generally square in shape, as shown on Figure 2-2, which was prepared as a sketch during the site visit. The property is fenced to the north with corrugated aluminum and wood about 8 feet high; to the east with cinderblock about 8 feet high; to the south with chain link and corrugated aluminum about 6 feet high; and to the west with chain link about 6 feet high. A two-story building abutting E. 14th Street is used as an office, showroom, and accessway for the public; a one-story addition along the length to the east is used for parts storage. There is a one-story office and garage complex abutting 166th Avenue, with doors opening to the street. Portions of the property are used for selling used vehicles, dismantling and open storage of wrecked vehicles, cleaning and rebuilding of parts, and interior and exterior storage of used parts.

Drainage on the property flows initially to low points in the topography, as identified on Figure 2-2. Storm water or other runoff would travel to the gutter on 166th Avenue and to the storm drain located in the gutter of 14th Street at the corner of 166th Avenue.

Adjacent to the site extending to the east are single family residences. Immediately to the north are residences and business offices. Further north is an auto parts center and a motorcycle sales and repair business. To the south across 166th Avenue is a residence and a used car dealership. To the west across E. 14th Street is an auto body repair and paint shop, a music store, and a carpet cleaning business. All these establishments exist within a 200-foot radius of the site (2).

2.3 Operational History

The facility is an active 31,320-square-foot auto wrecking yard located along a four-lane traffic artery adjacent to a single family residential neighborhood (3, 4). The land has been in operation with the same use since about 1946. The exact date that operations began is unknown (4). Previous owners of the property (and purchase dates) were: Harriet Meder (1963); James Yound (1975); and Darrell H. Carlson and Duane Carlson (1978). In 1985, the property was purchased by Duane Carlson (5). Since 1985, his business operation has specialized in parts for British sports cars, and is known for the rebuilding of transmissions and differential axle units.

Information about some of the activities at the facility was obtained from lives adjacent to the property and is the person who called the EPA regarding the site. bases his information on observations of the facility and on conversations with a former employee. According to soil samples of the property were taken in 1990 and "for sale" signs were then posted. During the summer of 1991 auto salvage activities were suspended, the owner allegedly rented earth moving equipment, scraped an unknown amount of material from the ground surface, and covered the exposed surface with fill of unknown quality and composition. In September 1991, the owner resumed auto salvage activities. The owner is currently attempting to sell the property; "for sale" signs are posted at the site (3, 6).

The owner/operator of the facility, Duane Carlson, did not respond to requests for meetings or additional information.



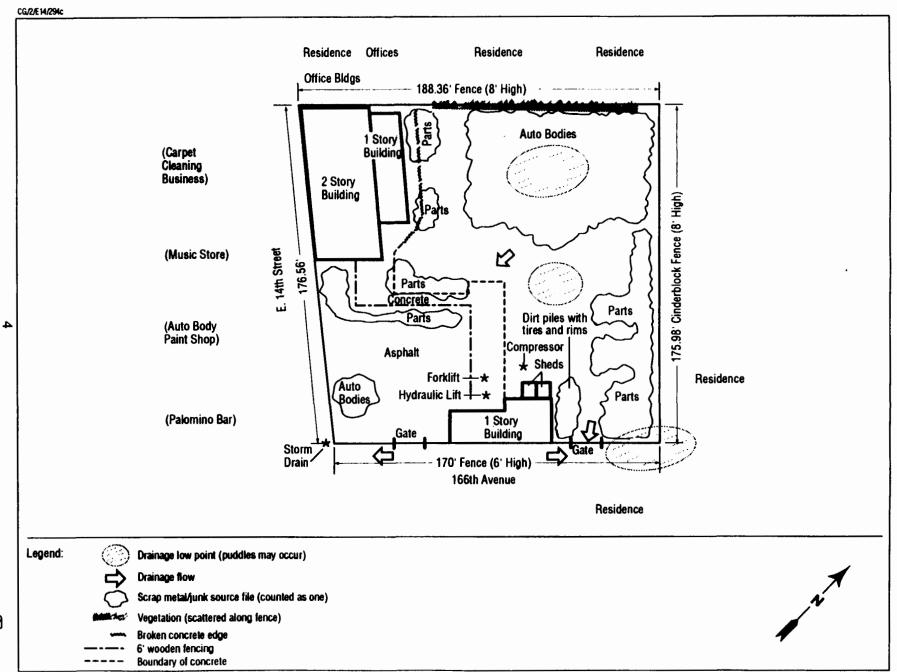


Figure 2-2 Site Sketch

2.4 Regulatory Involvement

- 2.4.1 Alameda County Planning Department. For the years 1984 through 1989, the Alameda County Planning Department granted Duane Carlson a four-year conditional use permit to conduct auto salvage activities in an area zoned for general commercial use. The permit has not been renewed, and no further applications have been filed (7).
- **2.4.2 Other Agencies.** No records or files for the E. 14th St. Auto Wreckers site have been identified from any of the following state or local agencies:
 - California State Water Quality Control Board
 - California Regional Water Quality Control Board (8)
 - California Department of Health Services (9)
 - Alameda County Department of Environmental Health, Hazardous Materials Division (10)

3.0 HAZARD RANKING SYSTEM FACTORS

3.1 Sources of Contamination

Wastes from operations at the facility are generated by the cleaning, dismantling, and repair of automobiles and parts. The facility contained exclusively small model, older British sports cars such as MGs, Triumphs, and Austins.

There were three potential sources of contamination identified during the site visit. They were: the piles of auto bodies and parts; potentially contaminated soil underlying fill, concrete, and asphalt; and several empty drums (2).

The fluids and solids containing hazardous substances typically located at auto wrecking yards for British sports cars would be engine oil, antifreeze, bearing grease, brake fluid, manual and power steering fluid, transmission fluids, differential oil, battery acids, brake linings, catalytic converters, aluminum parts, shock absorber fluids (similar to motorcycle fork oil), old mufflers, and anodized coatings. Cleaning solvents would include carburetor cleaners, motor cleaners, and engine dunking tank acids. The suspected contaminants from these fluids and solids would be lead, chromium, cadmium, zinc, copper, hydrocarbons, trichloroethylene, carbon tetrachloride, sulfuric acid, ethylene glycol, aluminum, antimony, bismuth, tin, arsenic, and asbestos. These suspected contaminants are typical for an auto wrecking operation.

Information on waste/contaminant type and volume is not available. Waste source size is estimated as follows:

• Scrap Metal or Junk Pile: Approximately 100 auto bodies and 20 plywood boxes filled with auto parts



- Contaminated Soil: Exposed soil, stained asphalt and concrete, estimated to be approximately 75 percent of the total parcel size, or 23,490 square feet
- Drums: Scattered about the open areas of the property and inside two metal sheds, approximately ten 55-gallon drums (metal and plastic), empty, unlabeled, and not rinsed clean (2)

3.2 **Ground-Water Pathway**

3.2.1 Hydrogeologic Setting. The site is located in the geological area known as the San Leandro alluvial cone of the East Bay Plain. Ground water in this area occurs in aquifers which consist of discontinuous layers and lenses of sand and gravel. To a depth of 400 feet, the San Leandro cone subarea is considered to be a distinct hydraulic unit. The confined aquifers represent water-bearing deposits derived from the drainage basin of San Leandro Creek.

Shallow aquifers exist under portions of the San Leandro cone, overlying a confining clay layer and serving hundreds of small capacity irrigation wells. The water-bearing material in these aquifers is usually silty sand. These deposits yield small quantities of water to wells, generally less than 35 gallons per minute. This is usually sufficient for lawn and garden irrigation only (11).

- 3.2.2 Ground-Water Targets. Drinking water for the area is obtained through distribution systems that rely on imported water sources from outside the watershed (12). Maps of the water distribution system administered by the East Bay Municipal Utility District (EBMUD) show that approximately 95 percent of all parcels in the residential and commercial areas in the vicinity of the site have service connections (13). Ninety-eight percent of all water in the EBMUD distribution system is from the Mokelumne River and the Pardee Reservoir, transported by aqueduct from the Sierra Nevada Mountains. The other 2 percent is from rainfall to the reservoir. There are no municipal wells connected to the EBMUD water distribution system (12). No ground-water wells used for drinking water were identified.
- 3.2.3 Ground-Water Pathway Conclusion. Drinking water for the area is supplied by EBMUD (12). No ground-water wells used for drinking water were identified. Shallow aquifers in the vicinity of the site have been typically used for lawn and garden irrigation (11). There are no targets for the ground-water pathway.

3.3 Surface Water Pathway

- 3.3.1 Hydrologic Setting. Average annual rainfall for the area is 18.69 inches (14). Surface water runoff from the site drains to a storm drain at the southwest corner of the site along E. 14th Street. From there, it travels for approximately 5 miles through a series of canals until it reaches has witnessed an oily sheen on the surface water runoff (3). San Francisco Bay.
- 3.3.2 Surface Water Targets. There are no drinking water intakes along the surface water pathway from the site to San Francisco Bay. Approximately 4.5 miles from the site, the canal that drains the urban areas of San Leandro becomes an earthen channel adjacent to wetlands. The wetlands are a sensitive environment. However, exposure to the wetlands is unlikely due to the presence of levees. This earthen channel drains into San Francisco Bay, a fishery, which is the only target along the surface water pathway.



3.3.3 Surface Water Pathway Conclusion. According to comments by Mr. Lewis, contaminants migrate from the site in surface water runoff (3). The only target for this site along the surface water pathway is San Francisco Bay. Although exposure of the fisheries of San Francisco Bay to contaminants from the site is possible, the effects of such exposure would be minimal because of mixing, and attribution to the site would be difficult.

3.4 Soil Exposure and Air Pathway

3.4.1 Physical Conditions. The area of the site is approximately 31,320 square feet (4), about 75 percent of which is exposed soil, stained asphalt, and stained concrete.

has witnessed clouds of dust (suspected to be contaminated) emitted from the facility when the soil removal and fill activities were conducted (3). No air or soil sampling has been conducted at the facility.

3.4.2 Soil and Air Targets. There is at least one worker on site. There are no identified day care facilities or schools within a 200-foot radius of the site. One residence located to the north is less than one foot from the site. There are 10 identified single-family residences within 200 feet of the site. Since the average number of people per household for Alameda County is 2.5, the total number of residents within 200 feet of the site is estimated to be 25.

No sensitive environments were identified on or within 200 feet of the site (15).

3.4.3 Soil Exposure and Air Pathway Conclusions. The site visit revealed evidence of soil and concrete removal and subsequent filling with material of unknown quantity, depth, and quality (2). Contaminated soil may still exist at the site under the fill and in areas of the site where soil was not previously removed by Mr. Carlson.

4.0 EMERGENCY RESPONSE CONSIDERATIONS

The National Contingency Plan [40 CFR 300.15 (b) (2)] authorizes the EPA to consider emergency response actions at those sites which pose an imminent threat to human health or the environment. A referral to EPA Region IX's Emergency Response Section does not appear to be necessary for the following reasons:

- Due to the cover of fill, concrete, and asphalt, there is no immediate threat to human health or the environment from exposure to contaminated soil.
- No drinking water wells were located in the area.

5.0 SUMMARY

The E. 14th St. Auto Wreckers site (CAD ID 983566472) is an active auto wrecking yard located in Ashland, southeast of San Leandro, California. The site has been used for the same purpose since before 1946, and is currently owned and operated by Duane Carlson.

There were three potential sources of contamination identified at the site: piles of auto bodies and parts; potentially contaminated soil underlying fill, concrete, and asphalt; and several empty drums (2).

The hazardous substance and waste types that can be associated with typical operations at an auto wrecking yard include: engine oil, antifreeze, bearing grease, brake fluid, manual and power steering fluid, transmission fluids, differential oil, battery acids, brake linings, catalytic converters, aluminum parts, shock absorber fluids (similar to motorcycle fork oil), old mufflers, and anodized coatings. Cleaning solvents would include carburetor cleaners, motor cleaners, and engine dunking tank acids (10). The potential contaminants within these waste types would include: lead, chromium, cadmium, zinc, copper, hydrocarbons, trichloroethylene, carbon tetrachloride, sulfuric acid, ethylene glycol, aluminum, antimony, bismuth, tin, arsenic, and asbestos.

Information on waste/contaminant type and volume is not available. Waste source size is estimated as follows:

- <u>Scrap Metal or Junk Pile:</u> Approximately 100 auto bodies and 20 plywood boxes filled with auto parts
- <u>Contaminated Soil:</u> Approximately 75 percent of the total parcel size, or 23,490 square feet
- <u>Drums:</u> Approximately ten 55-gallon drums (metal and plastic), each empty, unlabeled, and not rinsed clean (2)

The pertinent Hazard Ranking System factor for the site is:

• Contaminated soil may exist at the site, partially covered by an unknown amount of fill.

6.0 EPA RECOMMENDATION

	initial	Date
No Further Remedial Action Planned under CERCLA		
Higher-Priority SSI under CERCLA	Dol	1.13.92
Lower-Priority SSI under CERCLA		-
Defer to Other Authority (e.g., RCRA, TSCA, NRC)		·
Notes:		

APPENDIX A

REFERENCE LIST

- 1. Nelson, Lisa, Site Evaluation Section, USEPA, Memorandum, May 24, 1990.
- Whittington, Jan, Bechtel Environmental, Inc., Site Reconnaissance Interview and 2. Observations Report, October 10, 1991.
- 3. Lewis, Darryl, Telephone conversation reported on Contact Sheet by Jan Whittington. Bechtel Environmental, Inc., August 13, 1991.
- Alameda County Planning Department, Pre-Hearing Analysis: Duane Carlson Conditional 4. Use Permit, C-4728, August 22, 1984.
- 5. Alameda County Tax Assessor's Office, Telephone conversation recorded on Contact Sheet by Jan Whittington, Bechtel Environmental, Inc., August 27, 1991.
- Whittington, Jan, Bechtel Environmental, Inc., Photodocumentation Log, Photo No. 1, 6. September 29, 1991.
- Saba, Walid, Alameda County Planning Department, Telephone conversation recorded on 7. Contact Sheet by Jan Whittington, Bechtel Environmental, Inc., August 16, 1991.
- 8. Regional Water Quality Control Board, Discussion recorded in Contact Sheet by Jim Davidson, Bechtel Environmental, Inc., August 2, 1991.
- 9. Cruz, Doris, California Department of Health Services, Department of Toxic Substances Control, Discussion recorded in Contact Sheet by Jim Davidson, Bechtel Environmental. Inc., August 26, 1991.
- 10. Gates, Kathy, and Weston, Robert, Alameda County Department of Environmental Health, Hazardous Materials Division, Discussion recorded in Contact Sheet by Jan Whittington, Bechtel Environmental, Inc., August 21, 1991.
- 11. Alameda County Flood Control and Water Conservation District, Alameda County Water Resources: Groundwater in the San Leandro and San Lorenzo Alluvial Cones of the East Bay Plain of Alameda County, 1984, Pages 12, 13.
- 12. Paul, Patty, East Bay Municipal Utility District, Telephone conversation recorded in Contact Sheet by Jan Whittington, Bechtel Environmental, Inc., September 10, 1991.
- 13. East Bay Municipal Utility District, Water System Distribution Map No. 1533B438, July 1977, revised December 1987.
- Gale Research Company, Climate of States Volume 1, 1978. 14.
- California Department of Fish and Game, Natural Diversity Data Base: 15. Species/Community Location Summary Report for Hayward Quadrangle as shown on U.S. Geological Survey Topographic Map, 1991.



APPENDIX B

CONTACT LOG

Facility Name: Facility ID:

E. 14th St. Auto Wreckers CAD 983566472

Name	Affiliation	Phone #	Date	Information
Duty Officer	Department of Health Services	(510) 540-2122	8/12/9	Left Message
Richard Tarbell	Alameda County Planning Dept.	(510) 670-5400	8/13/9	Assessor's Parcel #80-76- 32
				Zoning of Parcel C-2 General Commercial
	Environmental	(510) 271-4320	8/13/9	Wanted Zip Code
	Health Services, Hazardous Materials Department			Will leave message and appropriate staff will call with file info
	East 14th St. Auto Wreckers	(510) 278-6300	8/13/91	Number has been disconnected
FX-6 Personal Privacy	FX-6 Pers	FX-6 Personal Privacy	8/13/91	Neighbors to the site
				Has been auto wrecking yard since 1948
Paul La Courreye	SAM USEPA	(415) 744-2345	8/13/91	Paul confirmed; acquire owner's name and home address; continue trying to contact, send registered mail to both addresses the site visitation letter



Name	Affiliation	Phone #	Date	Information
Tom Peacock	Alameda County Department of Health Services, Hazardous Materials Division	(510) 279-4320	8/1 5/9 1	Would not acknowledge or approve my access to all files for 16552 E. 14th Street.
	(AC DEH HMD)			Suggested that we pay them \$67/hr to do the investigation.
				Asserted that BEI would not be allowed to view nonpublic files.
Paul La Courreye	SAM USEPA	(415) 744-2345	8/1 <i>5/</i> 91	Paul will contact Tom Peacock requesting that I be given access to their files.
				Affirmed: Sent Fax to T. Peacock
Ed Howell	AC DEH HMD	(510) 271-4320	8/16/91	Require written notice assuring that \$67/hr will be provided for staff work while I review files.
				Require written notice 5 days prior to agency visit.
Walid Saba	Alameda County Planning	(510) 670-5400	8/16/91	Zone C-2 General Commercial
	Department			Application 1984 approved for 5 yrs. non-conforming use-auto salvage.
Paul La Courreye	USEPA	(510) 271-4320	8/16/91	Received copy of Fax sent 8/15/91 to Tom Peacock, AC DEH HMD from Paul La Courreye
Ed Howell	AC DEH HMD	(510) 279-4320	8/19/91	Sent Fax confirming payment of fees.
				Gave 5 day notice of visit to view files.



Name	Affiliation	Phone #	Date	Information
Paul La Courreye	·	(415) 744-2345	8/19/91	Received copy of Fax to Tom Peacock requesting their assistance in allowing us access to files.
Ed Howell	AC DEH HMD	(510) 279-4320	8/20/91	Sent letter Fed. Express notifying of agency visit and site visit
Duane Carlson		(510) 886-3085	8/20/91	Sent letter Fed. Express to site owner notifying of site visit planned for 10:00 a.m., 8/29/91.
Ed Howell	AC DEH HMD	(510) 279-4320	8/20/91	Left message for Ed Howell to confirm receipt of Fax
Paul La Courreye	EPA USA	(415) 744-2345	8/21/91	Gather well/surface drainage info; review GEO/Hydro Reports
Kathy Gates	AC DEH HMD	(510) 271-4320	8/21/91	Ed Howell left message
Carmen	Alameda County Assessor's Office	(510) 272-3787	8/21/91	Cannot provide ownership information by phone, and do not transfer info by Fax
				Requests must be in writing or in person
Fernando Gonzales	AC Public Works Dept., Land Development Section	(510) 670-5572	8/21/91	Will send drainage information for the site
Kathy Gates	AC DEH HMD	(510) 271-4320	8/21/91	Call #1 - found no files on the site.
				Call #2 - 14 files in 1/2 mile radius primarily auto services. Env. Health Specialist 10 a.m., Tuesday set meeting to review files of neighboring sites.

Name	Affiliation	Phone #	Date	Information
	East Bay Municipal	(510) 483-3540	8/26/91	Water Distribution System
	Utilities District	(510) 839-3000		Water Distribution System
		Water Systems x1137		Water Distribution System
Susan Teefy	Associate Civil Engineer, EBMUD	(510) 289-1112		Water Distribution System
Kathy Gates Robert Weston	AC DEH HMD	(510) 271-4320	8/27/91	Recommended sources of monitoring well information.
John Scott	Alameda County	(510) 272-3787	8/27/91	Meeting
	Assessor's Office			Copied contents of file for site.
Walid Saba/Ginette Reeves	Alameda County Planning Department	(510) 670-5400	8/27/91	Copied site history and site plan from conditional use permit.
				Received census tract data 4 mi. radius zoning/land use date 4-mi. radius.
	Alameda County Public Works	(510) 670-5572	8/28/91	Rec'd surface water drain map showing locations of drains not actual drainage of site (topography)
FX-6 Personal Privacy		FX-6 Personal Privacy	8/28/91	has been away for 1-1/2 weeks and will return Wednesday
FX-6 Personal Privac		FX-6 Personal Privacy	8/29/91	Said left gate open at site for our entry to examine property, OK to enter and shut gate when done.



Name	Affiliation	Phone #	Date	Information
Duane Carlson			9/3/91	Sent Federal Express letter to Duane Carlson requesting interview, call for appointment, information and copy of site visit confirmation letter.
FX-6 Personal Privacy	FX-6 Personal Privacy	FX-6 Personal Privacy	9/4/91	Customer to E. 14th St. Auto Wreckers.
Scott Seery	Alameda County Health Agency	(510) 271-4320	11/19/91	See Contact Report.
Drake Dawson	Home Federal Savings and Loan	(415) 982-4560	11/19/91	See Contact Report.

APPENDIX C CONTACT REPORT

AGENCY/AFFILIATION: Alameda	County Health A	gency			
DEPARTMENT:					
ADDRESS: 80 Swan Way, Suite 200	0	CTTY:	Oakland	i	
COUNTY: Alameda		STATI	E: Cali	fornia	ZIP:
CONTACT(S)	TTT	LE			PHONE
Scott Seery	Hazardous Mat	erials		510-27	1-4320
	Specialist				
BEI PERSON MAKING CONTACT	Γ: James Davidso	on			DATE: 19 Nov '91
SUBJECT: File status on East 14th S	treet Auto Wrec	kers			
SITE NAME: East 14th Street Auto V	Vreckers		EPA II)#: CA	D983566472

DISCUSSION: Mr. Seery received a call from Drake Dawson of Home Federal Savings and Loan that holds the lien on the 14th Street property. Mr. Dawsons' institution is preparing to foreclose on this property and was wondering if there were any problems they should be aware of. Mr. Dawson inquired to Mr. Seery if his agency had any information on the site. Mr. Seery stated that they had no information on the site, but he believed that Bechtel who was working for the EPA had been looking at this site. Mr. Seery stated he would contact James Davidson of Bechtel and inquire on our file status. When I was contacted by Mr. Seery, I stated that we had been looking at the 14th Street Auto Wreckers site and had passed the file onto the EPA for review. In addition, I told Mr. Seery we would pass his and Mr. Drakes inquiry onto the EPA. Mr. Drake Dawsons phone number is 415-982-4560.

CONTACT REPORT

AGENCY/AFFILIATION: Home Fe	ederal Savings a	nd Loan		
DEPARTMENT:				
ADDRESS:		CITY: San	Francisco	
COUNTY: San Francisco		STATE: C	alifornia	ZIP:
CONTACT(S)	TTI	LE		PHONE
Drake Dawson	Appraiser		415-98	32-4560
BEI PERSON MAKING CONTACT	Γ: James Davids	ion		DATE: 19 Nov '91
SUBJECT: File status on East 14th S	Street Auto Wrea	ckers		
SITE NAME: East 14th Street Auto	Wreckers	EPA	ID#: CA	D983566472

DISCUSSION: I returned a phone call from Mr. Drake Dawson of Home Federal Savings and Loan regarding East 14th Street Auto Wreckers. Mr. Dawson's institution is preparing to foreclose on this property and was wondering if there were any problems identified with this site. Mr. Dawson inquired as to what information we had on the site and how he would go about obtaining it. I stated to Mr. Dawson that we were employed by the EPA to conduct Preliminary Assessments (PA) and that one had been conducted at East 14th Street. A draft PA had been prepared and submitted to the EPA this week. Mr. Drake inquired into what was the next step in the chain of events. I told him it was a stepped process starting with the initial complaint, then a PA. The PA is reviewed by the EPA to decide if a Site Investigation (sampling event) is warranted. If additional sampling or other information is required this will be obtained and the site reviewed again by the EPA. Mr. Drake inquired as to when that might be, I stated that it was typically 6 to 8 weeks after a draft PA was submitted for EPA to issue the final PA. I told Mr Drake that he should call Paul LaCourreye at the EPA at 415-744-2345 and request a copy when the PA is finalized. I told him additional questions should be directed to Paul regarding how the EPA arrives at its decisions.

APPENDIX D

SITE RECONNAISSANCE INTERVIEW AND OBSERVATIONS REPORT

SITE NAME:

E. 14th Street Auto Wreckers

EPA ID #:

CAD983566472

CITY:

San Leandro

COUNTY/STATE:

Alameda County, California

SITE VISIT DATE:

29 August 1991

DATE:

10 October 1991

PERSON CONDUCTING INTERVIEW AND MAKING OBSERVATIONS:

Jan Whittington
Site Investigator - USEPA Region IX
Bechtel Environmental, Inc.
(415) 768-3242

James Davidson Site Investigator - USEPA Region IX Bechtel Environmental, Inc. (415) 768-2015

FACILITY REPRESENTATIVES:

None Available. No response from Owner/Operator

Site Visit 16552 E. 14th Street

The following observations were made during the site reconnaissance visit:

For Sale Signs outside.

Business Signs removed from Facade

Weather: Sunny Te

Temp: 80's

Wind: Slight breeze

Side gate open

Soils are silty - some gravel

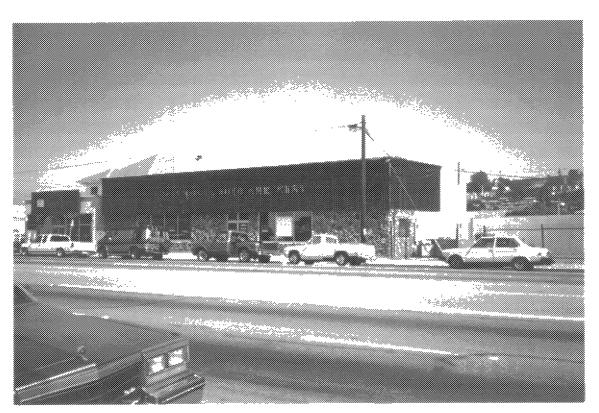
- Looks like fill
- Evidence of recent changes in topography busted edges of concrete 8-11" deep
- Several (10) drums total on property (some steel, some plastic) all are empty
- Identified some solvents (hydraulic fluid, wiper fluid, antifreeze, paints, sealing compounds, gas can
- ~20 cubic yards of dirt piled with tires and hubs by gate facing 166th street
- Hard to identify original soils, existing soils are not compact, but loose.
- Most concrete areas are stained
- Surface drainage would lend to pooling see map

- Car bodies/parts are mostly dismantled.
- Most building space unoccupied (one motorcycle)
- Approximately 100 auto bodies on site
- Various office equipment stacked on asphalt
- Metal shelving holds many small parts
- Forklift and compressor on site and hydraulic floor lift
- Floor plan has been modified since site diagram from Alameda County Planning Department was made
- Found one exposed (water?) supply line
- Several houses immediately adjacent to site appears to be several granny flats, multiple family residences)
- Apartment complex across 166th street
- Fresh dog food probably shows that there's normally a dog onsite, (for security probably)
- 4 residential lots paced @ 200 ft. to the East of the site
- 1 residence across 166th street within 200 ft.
- 1 apartment complex within 200 ft.
- At corner of 166th/14th used auto sales to the south of the site
- Across E. 14th, west of the site, Andres Metal Craft Body and Paint; Ricks All Music; Supreme Carpet Sales and Cleaners.
- North of the site residences and business; Arlen's Motorcycle shop.
- Storm drain @ corner 166th/14th but initial flow would be to residence on 166th immediately East of site
- Odor of oil on site
- One propane tank
- Color of soils immediately behind east fence are not brown, but grey/black
- Vegetation is stressed weeds only and bare ground.
- Some hay mixed on soil pile with tires
- Stains under engine blocks and in cracks and concrete slabs.

Businesses North of Site

16548	Suite 1	KAE Properties
	Suite 2	John Evilsizor Realty
	Suite 3	Palomino Partners
	Suite 4	Corvette World
	Suite 5	KAE Services
	Suite 6	Empty
16520	Arlen's Mot	orcycle Accessories and Service
16550	Residence	
	Sign on Site	: For Sale
	U	CB Commercial
		Mark Long

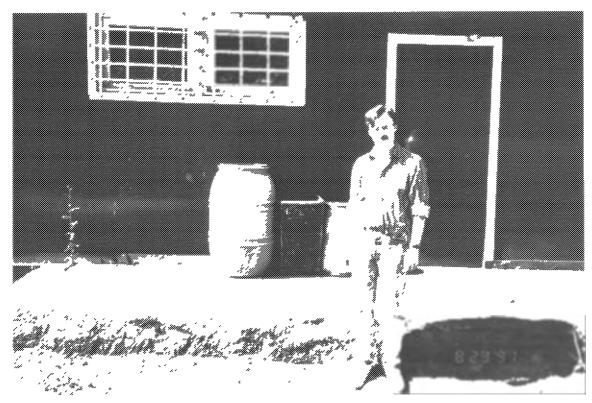
(415) 874-1937



E. 14th Street Auto Wreckers (storefront), as viewed facing east from across 6, 14th Street



Front lot, stained asphalf, previously used for sale of used cars



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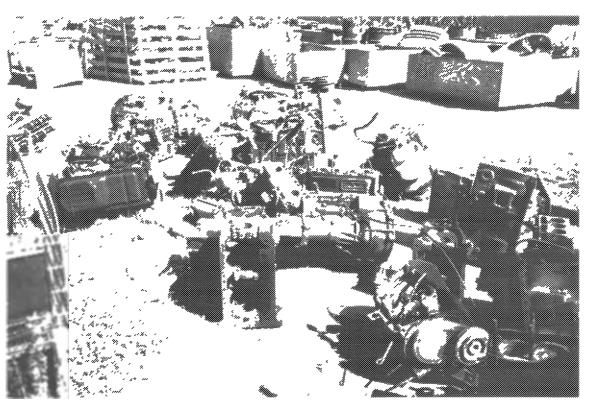


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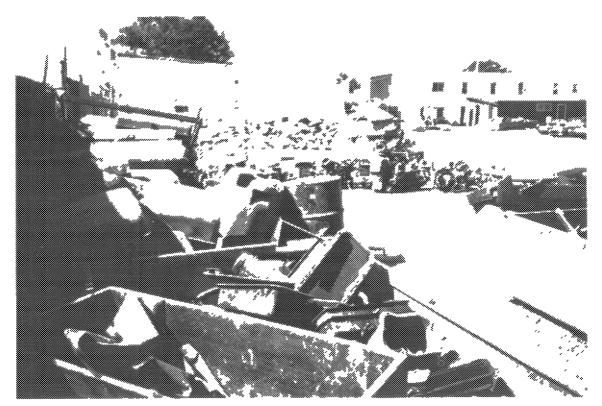


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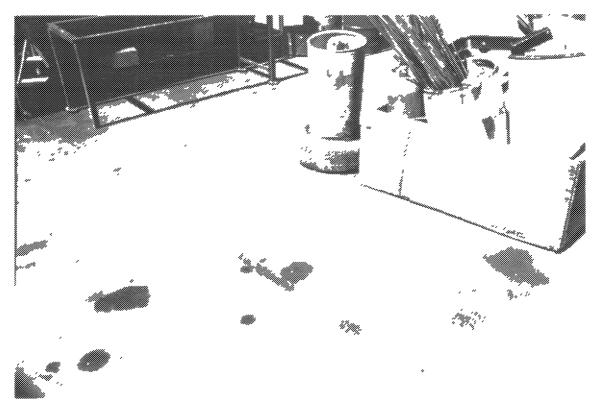


9 View of the auto bodies in the yard, facing due east from the upper story window of the main building



10. A dirt pile covered with fires, with sheds and garages in background

£ 1481St £...5



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But the state of t

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13 166th Avenue, facing west, showing the southern border of the site (photo taken August 30, 1991).



14. The residence immediately to the east of the site, separated from the site by the cinderblock wall (photo taken August 30, 1991)

£ 148 St

Site: East 14th Street Auto Wreckers TRANSMITTAL LIST

Mr. Duane Carlson 19677 Betrose Court Castro Valley, CA 94546

Mr. Ed Howell, Chief Hazardous Materials Division Alameda County Department of Environmental Health 80 Swan Way Oakland, CA 94621

Mr. Lester Feldman Senior Environmental Specialist California Regional Water Quality Control Board 2101 Webster Street Suite 500 Oakland, CA 94621

Mr. Howard Hatayama
Regional Administrator
Department of Toxic Substance Control
California Environmental Protection Agency
700 Heinz Avenue
Building F
Berkeley, CA 94710

Mr. Don Plain, Chief
Department of Toxic Substances Control
Site Evaluation Program
California Environmental Protection Agency
P.O. Box 806
Sacramento, CA 94812-0806

Mr. Drake Dawson Home Federal Savings & Loan Association of San Francisco 20 O'Farrell Street San Francisco, CA 94108 Attn: Appraisal Department

REFERENCE LIST

- Nelson, Lisa, Site Evaluation Section, USEPA, Memorandum, May 24, 1990. 1.
- 2. Whittington, Jan, Bechtel Environmental, Inc., Site Reconnaissance Interview and Observations Report, October 10, 1991.
- X-6 Personal Privacy, Telephone conversation reported on Contact Sheet by Jan Whittington, 3. Bechtel Environmental, Inc., August 13, 1991.
- Alameda County Planning Department, Pre-Hearing Analysis: Duane Carlson Conditional 4. Use Permit, C-4728, August 22, 1984.
- 5. Alameda County Tax Assessor's Office, Telephone conversation recorded on Contact Sheet by Jan Whittington, Bechtel Environmental, Inc., August 27, 1991.
- 6. Whittington, Jan, Bechtel Environmental, Inc., Photodocumentation Log, Photo No. 1, September 29, 1991.
- 7. Saba, Walid, Alameda County Planning Department, Telephone conversation recorded on Contact Sheet by Jan Whittington, Bechtel Environmental, Inc., August 16, 1991.
- 8. Regional Water Quality Control Board, Discussion recorded in Contact Sheet by Jim Davidson, Bechtel Environmental, Inc., August 2, 1991.
- 9. Cruz, Doris, California Department of Health Services, Department of Toxic Substances Control, Discussion recorded in Contact Sheet by Jim Davidson, Bechtel Environmental, Inc., August 26, 1991.
- 10. Gates, Kathy, and Weston, Robert, Alameda County Department of Environmental Health, Hazardous Materials Division, Discussion recorded in Contact Sheet by Jan Whittington, Bechtel Environmental, Inc., August 21, 1991.
- 11. Alameda County Flood Control and Water Conservation District, Alameda County Water Resources: Groundwater in the San Leandro and San Lorenzo Alluvial Cones of the East Bay Plain of Alameda County, 1984, Pages 12, 13.
- 12. Paul, Party, East Bay Municipal Utility District, Telephone conversation recorded in Contact Sheet by Jan Whittington, Bechtel Environmental, Inc., September 10, 1991.
- 13. East Bay Municipal Utility District, Water System Distribution Map No. 1533B438, July 1977, revised December 1987.
- 14. Gale Research Company, Climate of States Volume 1, 1978.
- 15. California Department of Fish and Game, Natural Diversity Data Base: Species/Community Location Summary Report for Hayward Quadrangle as shown on U.S. Geological Survey Topographic Map, 1991.



417 00001

DATE:

May 24, 1990

MEMORANDUM

SUBJECT: East 14th Street Auto Wreckers

16552 East 14th Street

San Leandro, CA

FROM:

Lisa Nelson, Site Evaluation Section

TO:

the file

On May 24, 1990, I spoke by telephone with a man who had witnessed some hauling of soil from an auto wrecking yard at 16552 East 14th Street, San Leandro, CA. The yard has been in operation for over 40 years. The man had spoken to one of the employees at the yard, the information that follows is a narrative of what the employee told the caller: the owner wanted to sell the property and hired a consultant to remediate contaminated soils on the property. The consultant submitted a bid, which the owner rejected. The owner hired his own earth moving vehicles and hauled approximately 900 cubic yards of dirt to Winton Avenue Clean-fill (presumably a dump). Clean fill was then placed on top of the facility. The consultant did subsequent sampling of the soil after this remedial work and still found contamination. The deal to sell the property eventually fell through.

The caller said there are people in the area who still use well water to water their yards. The facility has sloppy practices and has been a neighborhood nuisance for a long time.

The callers name was



and his phone number is



and so

SITE RECONNAISSANCE INTERVIEW AND OBSERVATIONS REPORT

SITE NAME:

E. 14th Street Auto Wreckers

EPA ID #:

CAD983566472

CITY:

San Leandro

COUNTY/STATE:

Alameda County, California

SITE VISIT DATE:

29 August 1991

DATE:

10 October 1991

PERSON CONDUCTING INTERVIEW AND MAKING OBSERVATIONS:

Jan Whittington
Site Investigator - USEPA Region IX
Bechtel Environmental, Inc.
(415) 768-3242

James Davidson
Site Investigator - USEPA Region IX
Bechtel Environmental, Inc.
(415) 768-2015

FACILITY REPRESENTATIVES:

None Available. No response from Owner/Operator

Site Visit 16552 E. 14th Street

The following observations were made during the site reconnaissance visit:

For Sale Signs outside.

Business Signs removed from Facade

Weather: Sunny

Temp: 80's

Wind: Slight breeze

Side gate open

Soils are silty - some gravel

- Looks like fill
- Evidence of recent changes in topography busted edges of concrete 8-11" deep
- Several (10) drums total on property (some steel, some plastic) all are empty
- Identified some solvents (hydraulic fluid, wiper fluid, antifreeze, paints, sealing compounds, gas can
- ~20 cubic yards of dirt piled with tires and hubs by gate facing 166th street
- Hard to identify original soils, existing soils are not compact, but loose.
- Most concrete areas are stained
- Surface drainage would lend to pooling see map

- Car bodies/parts are mostly dismantled.
- Most building space unoccupied (one motorcycle)
- Approximately 100 auto bodies on site
- Various office equipment stacked on asphalt
- Metal shelving holds many small parts
- Forklift and compressor on site and hydraulic floor lift
- Floor plan has been modified since site diagram from Alameda County Planning Department was made
- Found one exposed (water?) supply line
- Several houses immediately adjacent to site appears to be several granny flats, multiple family residences)
- Apartment complex across 166th street
- Fresh dog food probably shows that there's normally a dog onsite, (for security probably)
- 4 residential lots paced @ 200 ft. to the East of the site
- 1 residence across 166th street within 200 ft.
- 1 apartment complex within 200 ft.
- At corner of 166th/14th used auto sales to the south of the site
- Across E. 14th, west of the site, Andres Metal Craft Body and Paint; Ricks All Music; Supreme Carpet Sales and Cleaners.
- North of the site residences and business; Arlen's Motorcycle shop.

(415) 874-1937

- Storm drain @ corner 166th/14th but initial flow would be to residence on 166th immediately East of site
- Odor of oil on site
- One propane tank
- Color of soils immediately behind east fence are not brown, but grey/black
- Vegetation is stressed weeds only and bare ground.
- Some hay mixed on soil pile with tires
- Stains under engine blocks and in cracks and concrete slabs.

Businesses North of Site

16548	Suite 1	KAE Properties
	Suite 2	John Evilsizor Realty
	Suite 3	Palomino Partners
	Suite 4	Corvette World
	Suite 5	KAE Services
	Suite 6	Empty
16520	Arlen's Mot	orcycle Accessories and Service
16550	Residence	
	Sign on Site	e: For Sale
	J	CB Commercial
		Mark Long

CONTACT REPORT

DEPARTMENT:		
ADDRESS: FX-6 Personal Privacy	CITY: Ashland	/ San Leandro
COUNTY: Alameda	STATE: CA	ZIP:
CONTACT(S)	TITLE	PHONE
FX-6 Personal Privacy		FX-6 Personal Privacy
	6	
BEI PERSON MAKING CONTAC	T: Jan Whittington ()	DATE: 13 Aug 91
SUBJECT: Details of initial complain	nt about activities/conditions at the	he site
SITE NAME: E. 14th St. Auto Wrea	ckers EPA ID	#: CAD98356472
DISCUSSION: has been a new as an auto wrecking yard since at less and closed down. In times of high reproperty to a collective drain, and to	moff, he witnessed oil in surface	operations, moved cars out waters draining from the

While not completely court its probably close enough for probunment work so ill concur. FX-6 Personal Privacy 12/1/9)

PRE-HEARING ANALYSIS, AUGUST 22, 1984
DUANE CARLSON
CONDITIONAL USE PERMIT, C-4728

Application filed for a CONDITIONAL USE PERMIT, C-4728, to allow continued operation of a nonconforming auto salvage yard in an "C-2" (General Commercial) District, located at 16502 E. 14th Street, east side, 125' north of the intersection with 166th Avenue, San Leandro, Assessor's No. 80-76-32.

PERTINENT FACTS:

History: The wrecking yard has been in operation since prior to 1946.

In 1956 a Conditional Use Permit, C-690 was received to expand the use onto the adjoining R-3 lot to the rear. The application was denied.

In 1972, Conditional Use Permit, C-2411 was approved to allow continuation of a nonconforming automobile dismantling yard subject to the condition that the premises be enclosed with a solid fence at all times and with expiration August 1, 1974.

July 3, 1974, Conditional Use Permit, C-2798 to continue operation of nonconforming auto dismantling yard was approved subject to four conditions. Said permit was valid for a five year period.

August 8, 1979, Conditional Use Permit, C-3654 conditionally approved continued operation of a nonconforming automobile dismantling yard, expiration in five years.

Size of Parcel: A nearly rectangular lot containing approximately 31,320 square feet.

Physical Features: Several auto related businesses exist on the property, a used car lot is located at the intersection of East 14th Street and 166th Avenue, a storage building for the sale of used auto parts is located northerly of the car lot fronting on East 14th Street and the rear portion of the lot is used for dismantling and open storage of wrecked vehicles. A large structure is utilized for the storage of parts. The applicant owns adjacent vacant property at the rear presently zoned R-3. A solid fence, approximately 10' in height surrounds the auto salvage area.

Adjacent Area: Single family dwellings continue to the east on 166th Avenue interspersed with more recent multi-family residences. Mixed commercial uses exist along East 14th Street. Immediately adjacent to the north is an automobile parts center and motorcycle sales and repair business. A used car lot is immediately to the south across 166th Avenue.

Environmental Impact: Categorically exempt; class 5, example d and i.

PLANNING CONSIDERATIONS:

- It was noted at the time of inspection that the portions of the site visible from the street are maintained in excellent condition. The facade of the building has been upgraded and gives the appearance of a typical commercial use. All of the unsightly portions of the business are to the interior and totally enclosed by 10' high solid fencing.
- The auto dismantling business exists as an interim use which will eventually be replaced with retail business use. The existing building presently used for sales could be converted to a variety of conforming business uses. Permit should be issued for a limited time period to provide for an eventual amortization of the nonconforming use.

TENTATIVE FINDINGS BASED ON INFORMATION AVAILABLE PRIOR TO THE PUBLIC HEARING:

- 1. Is the use required by the public need?
 - Yes. The use satisfies a specific and limited commercial need.
- 2. Will the use be properly related to other land uses and transportation and service facilities in the vicinity?
 - Yes. The property is located opposite a major traffic carrier providing adequate access. The frontage building has been upgraded so as to be compatible with the adjoining uses and the general zoning of the area.
- 3. Will the use, if permitted, under all the circumstances and conditions of this particular case, materially affect adversely the health or safety of persons residing or working in the vicinity, or be materially detrimental to the public welfare or injurious to property or improvements in the neighborhood?
 - No. The use is located in an area which contains numerous auto and auto related businesses. If properly conditioned, the use could exist with limited detriment to the area.
- 4. Will the use be contrary to the specific intent clauses or performance standards established for the District in which it is to be located?
 - No, not contrary while limited as a nonconforming use.

CONDITIONAL USE PERMIT, C-4728 AUGUST 22, 1984 PAGE 3

PRE-HEARING RECOMMENDATION:

Conditional approval:

- There shall be compliance with all provisions of Article
 Uniform Fire Code;
- All access driveways shall be maintained in all weather condition;
- 3. No material shall be stacked so as to exceed fence height;
- 4. Solid fence shall be maintained in good condition;
- Expiration in five years.

Doc. 0450z

AGENCY/AFFILIATION: Alameda	County Assessors Offi	ce			
DEPARTMENT:					
ADDRESS: 1221 Oak St	CITY:	Oakland			
COUNTY: Alameda	STAT	E: CA	ZIP:		
CONTACT(S)	TITLE		PHONE		
Receptionist Marge Yekaka	Secretary	(415)	272-3787		
BEI PERSON MAKING CONTACT	: Jan Whittington (N)(SM)	DATE: 27 Aug 91		
SUBJECT: Site owner's name and he	ome address, and files	of site			
SITE NAME: E. 14th St. Auto Wreckers EPA ID#: CAD983566472					

DISCUSSION: I copied the contents of the files for the site, which contained an assessor's parcel map, site diagrams, and information about buildings on the site, past and present. From the public information office I recorded the previous and present ownership information. Duane R. Carlson is the current owner, deed number 85 264808 dated 12/12/85. The assessor's parcel numbers for his ownership include not only the site. 80-76-32, but also 80-76-31. Names of previous owners are Darrell and Duane Carlson (1978); James Young (1975); and Harriet Meder (1963). In 1985 Duane Carlson's mailing address was changed from 3246 D. St. Hayward, CA 94541 to 16552 E. 14th St. San Leandro.



1. El 14th Street Auto Wreckers (storefront), as viewed facing east from across £ 14th Street



2 Front lot, stained asphalt, previously used for sale of used cars

AGENCY/AFFILIATION: Alameda	County Planning	Department		
DEPARTMENT: Building				
ADDRESS: 399 Elmhurst		CITY: Hayw	ard	
COUNTY: Alameda		STATE: CA		ZIP: 94544
CONTACT(S)	'ITTI	LE		PHONE
Walid Saba	Planner II		(415)	670-5400
BEI PERSON MAKING CONTACT	Γ: Jan Whittingto	n	(h)	DATE:16 Aug 91
SUBJECT: Site information				
SITE NAME: E. 14th St. Auto Wreckers		EPA	EPA ID#: CAD983566472	

DISCUSSION: Of the information needed on the attached list, Walid indicated that most of the data can be obtained in person from their reception desk at the office in Hayward. The remaining documents can be obtained from the Tax Assessor (AP Map), Public Works (drainage), Health Department (wells), and Building Division (building permits). Walid said the name of the site owner, as indicated on an approved application to conduct a non-conforming use of auto salvage at the site for four years from 1984, was Duane Carlcon, site owner, at 278-6300.

O.K. Walson 9/30/91

AGENCY/AFFILIATION: RWQCB	-SF Bay Region	n		
DEPARTMENT: Public records				
ADDRESS: 2101 Webster Street Suit	te 500	CITY: Oaklan	d	
COUNTY: Alameda		STATE: CA	ZIP:92612	
CONTACT(S)	TT	TLE .	PHONE	
Records File Keeper				
			\sim	
BEI PERSON MAKING CONTACT	Γ: James E.F. D	Davidson 💋	DATE: 2 August 9	1
SUBJECT: Background information	search			
SITE NAME: 14th Street Auto wreck	cers	EPA II	D#: CAD983566498	

DISCUSSION: Reviewed files available to public(leaking tank reports) in area of site.

No files available on 14th Street site.

Contact	Concurrence:	Date:	
Comaci	Concurrence.	Dale.	

AGENCY/AFFILIATION: California	a Department of	Health Service	s		
DEPARTMENT: Department of Tox	ic Substances C	ontrol (Record	s)		
ADDRESS: 700 Heinz Avenue CITY: Berkeley					
COUNTY: Alameda		STATE:CA		ZIP: 94704	
CONTACT(S)	TH	LE_		PHONE	
Doris Cruz	Records	fax# 4		15-540-3738	
BEI PERSON MAKING CONTACT	Γ: James E.F. D	avidson 🕢	Can	DATE: 26 August 91	
SUBJECT: General file information			0-1		
SITE NAME: City Garbage of Eurek	a, E 14th Street	Auto EPA I	D#: NA		
Wreckers, Sobex &Southwest Marine	e				

DISCUSSION: Ms. Cruz called to inform me that of the files I requested to view were available however one site had no information, 14th Street Auto Wreckers. The remaining sites had files and I could view them when I wished. I set a time for 2pm Tuesday the 27 of August, Ms. Cruz stated this fit well with her schedule as well.

Contact Concurrence: Noris Cruz Date: 9/18/91

AGENCY/AFFILIATION: Alameda County Department of Environmental Health				
DEPARTMENT: Hazardous Materia	ls Division			
ADDRESS: 80 Swan Way CITY: Oakland				
COUNTY: Alameda	STAT	TE: CA	CA ZIP:94621	
CONTACT(S) TT			PHONE	
Kathy Gates	Environmental Healt	th Spec.	Spec. (415) 271-4320	
Robert Weston	HAZARDOUS MAJGA	1 SPEC	510 2	71-4320
BEI PERSON MAKING CONTACT: Jan Whittington (W) DATE: 21 Aug 91				
SUBJECT: Files of neighboring sites				
SITE NAME: E. 14th St. Auto Wreckers EPA ID#: CAD983566472				0983566472

DISCUSSION: I met Kathy and Robert to review the files for neighboring sites. They have no file for 16552 E. 14th Street. Files reviewed were: 16310, 16348, 16500, 16701, 16714, and 16265, E 14th St.; 1368 Eglin St.; 1475 and 1630 162nd Ave; and 1430 164th Ave. One file was missing of a possible contaminated site, and Kathy will call when that file is returned. DEH is not a permitting agency for hazardous waste, but is a permitting agency for underground storage tanks. Their information on underground wells or monitoring wells is gathered on a case-by-case basis from owners/operators. Those reviewed were files of sites that were not contaminated or were permits for underground tanks.

2. CATITY GATES NO LONGER WORKS IN THIS DIVISION.

3. I AM SIGNING FOR MS. GATES

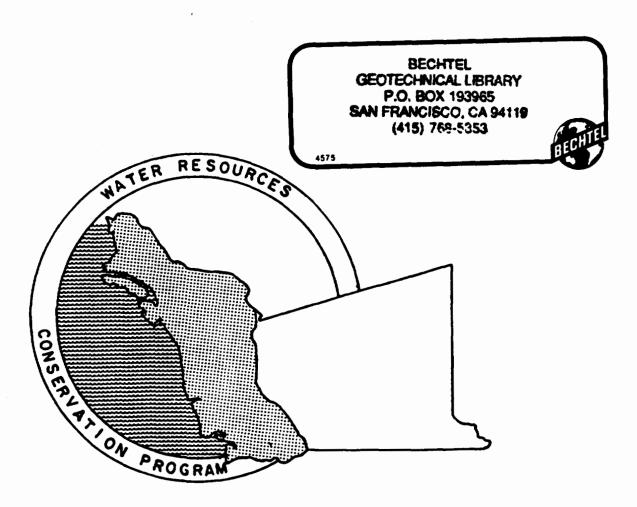
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CONCURRENCE WITH LONTAGE REPORT

M4

ALAMEDA COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

GROUNDWATER IN THE SAN LEANDRO AND SAN LORENZO
ALLUVIAL CONES OF THE EAST BAY PLAIN
OF ALAMEDA COUNTY
1984



WESTERN ALAMEDA COUNTY WATER RESOURCES



relatively thin and not very continuous areally. They are separated from one another by confining clay layers. The CDWR did not formally name these aquifers. However, for identification purposes these three aquifers were considered to be equivalent to the Newark, Centerville, and Fremont aquifers of the Niles Cone. Aquifers located at a depth below 400 feet were described as "lower" aquifers.

In this study a similar nomenclature will be used. Aquifers occurring in the three depth zones above 400 feet will be referred to as the "Newark", "Centerville", and "Fremont" aquifers. Aquifers found at a depth below 400 feet will be referred to as "deeper aquifers". The term "upper aquifers" will be used when discussing both the "Newark" aquifer and other shallow, discontinuous sand and gravel lenses. The term "lower aquifers" will be used here to denote undifferentiated aquifers below a depth of approximately 200 feet which might be equivalent to the Centerville, Fremont or deeper aquifers.

Occurrence and Movement of Groundwater

Groundwater in the San Leandro and San Lorenzo alluvial cones of the Bay Plain occurs in aquifers which consist of discontinuous layers and lenses of sand and gravel that extend in places to at least a depth of 1000 feet in the north and 600 feet in the south. Most of the aquifers in the study area are confined, but unconfined or perched conditions also exist. Explanations of terms such as confined and perched are given in the Glossary section of this report.

To a depth of approximately 400 feet below sea level, the San Leandro and San Lorenzo cone subareas are considered to be separate hydraulic units (California Department of Water Resources, 1964). The confined aquifers occurring within this depth interval probably do not extend beyond the boundary of the individual cones. The aquifers represent water-bearing deposits derived from two distinct drainage basins, that of San Leandro Creek in the north and San Lorenzo Creek in the south. Below 400 feet, the confined aquifers appear to be

continuous across subarea boundaries. These deeper deposits are most likely derived from the ancestral watershed of Alameda Creek at a time hundreds of thousands of years before the present.

For the purpose of discussion, aquifers in the San Leandro and San Lorenzo alluvial cones can be segregated into five distinct zones: (1) shallow aquifers within 50 feet of the land surface; (2) aquifers between approximately 30 and 100 feet in depth which are "equivalent to" the Newark aquifer; (3) aquifers between 130 and 220 feet in depth which are "equivalent to" the Centerville aquifer; (4) aquifers between 250 and 400 feet in depth which are "equivalent to" the Fremont aquifer; and (5) aquifers deeper than 400 feet below the land surface. Figures 4a through 4e (Geologic sections A through D) illustrate these five zones in the San Lorenzo Cone.

Shallow Aquifers

The shallow aquifers which are located throughout the study area are of limited areal extent and overlie the clay layer which confines the Newark aquifer. Most of these aquifers exist under perched conditions, though some are confined by thin clay beds. A perched aquifer exists in the Valle Vista area of Hayward, between the Mt. Eden and Decoto districts (California Department of Water Resources, 1963). The area containing this perched aquifer overlaps the boundary between the Niles and San Lorenzo cones. Shallow aquifers also exist under portions of San Leandro and San Lorenzo. Hundreds of small capacity irrigation wells, less than 50 feet in depth, tap these minor aquifers.

The water-bearing material in the minor aquifers is usually silty sand. These deposits yield small quantities of water to wells, generally less than 35 gallons per minute (Table 1). This is usually sufficient for lawn and garden irrigation only. Though they are not a source of large volumes of groundwater, the minor aquifers are quite significant because they are the ones most susceptible to contamination from surface pollution.

107 00032

DEPARTMENT: Public Affairs	Department	T				
ADDRESS: 375 11th Street		CITY: (CITY: Oakland			
COUNTY: Alameda		STATE	STATE: CA		ZIP: 94607	
CONTACT(S)	TTTLE PHO		PHONE			
Patty Paul	Secretary	Secretary		(415)287-0138		
BEI PERSON MAKING CON	TACT: Jan Whitting	gton W) 9	\mathcal{M}	DATE: 10 Sept 91	
SUBJECT: Water supplies and	private wells within	4-mile ra	dius of	site		
SITE NAME: E. 14th St. Auto Wreckers			EPA ID#: CAD983566472			

X

DISCUSSION: 98% of all water in their distribution system is from the Mokelumne River and the Pardee Reservoir. The water travels by aqueduct from the Sierra Nevada Mountains. The other 2% is rainfall to the Reservoir. There are no municipal wells connected to their water distribution system.

CONCURRENCE: Pari M. i aul 10/10/21



QB 10 C51

CLIMATES OF THE STATES

National Oceanic and Atmospheric Administration Narrative Summaries, Tables, and Maps for Each State

with

Current Tables of Normals, 1941-1970

Means and Extremes to 1975

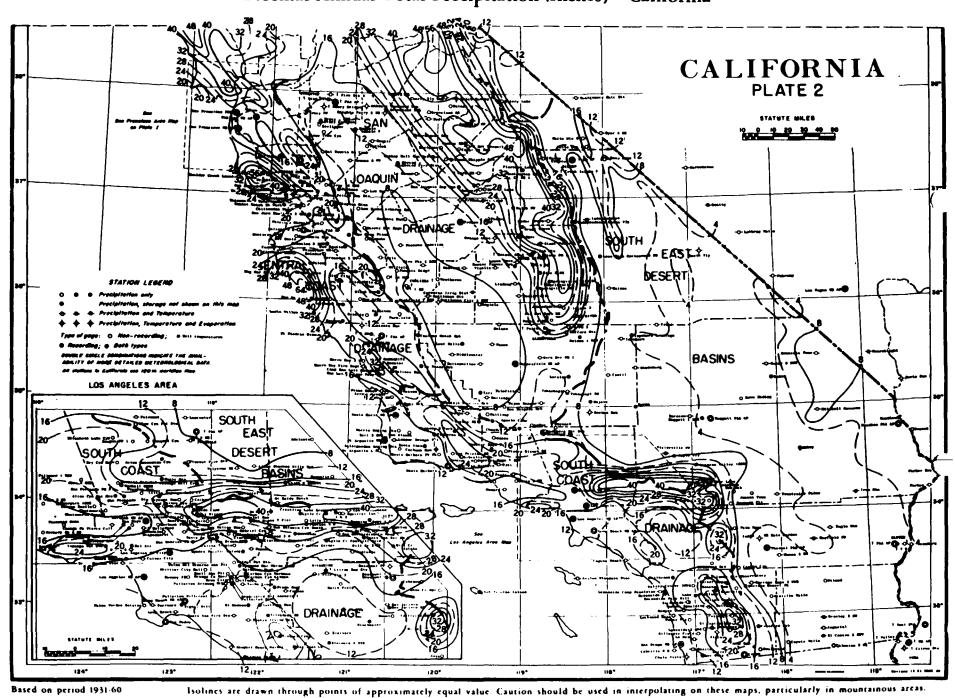
Overview of State Climatologist Programs

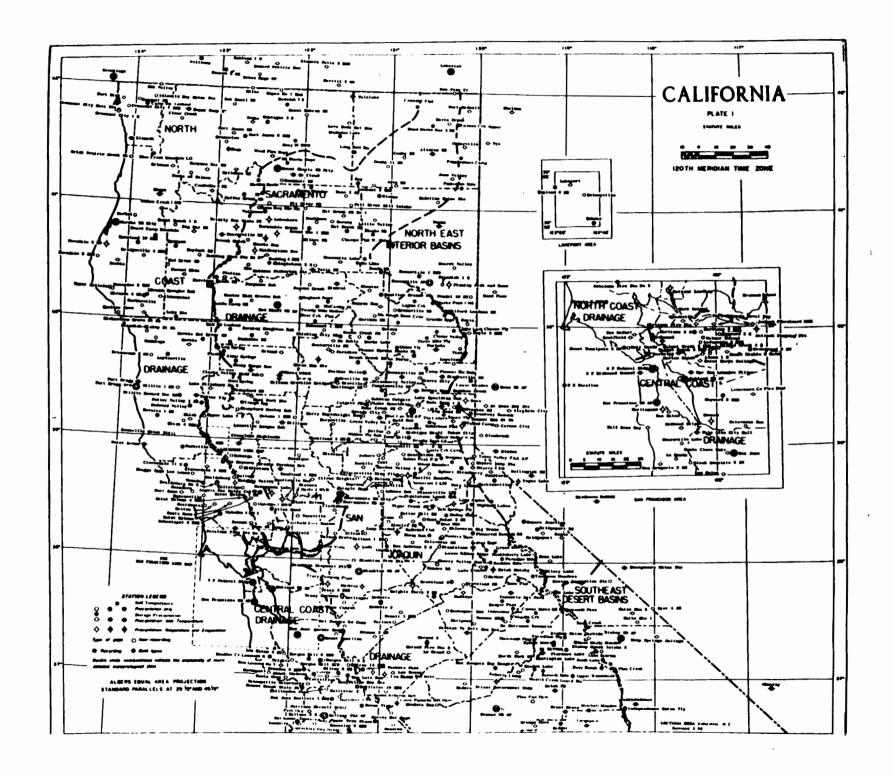
New Material by James A. Ruffner

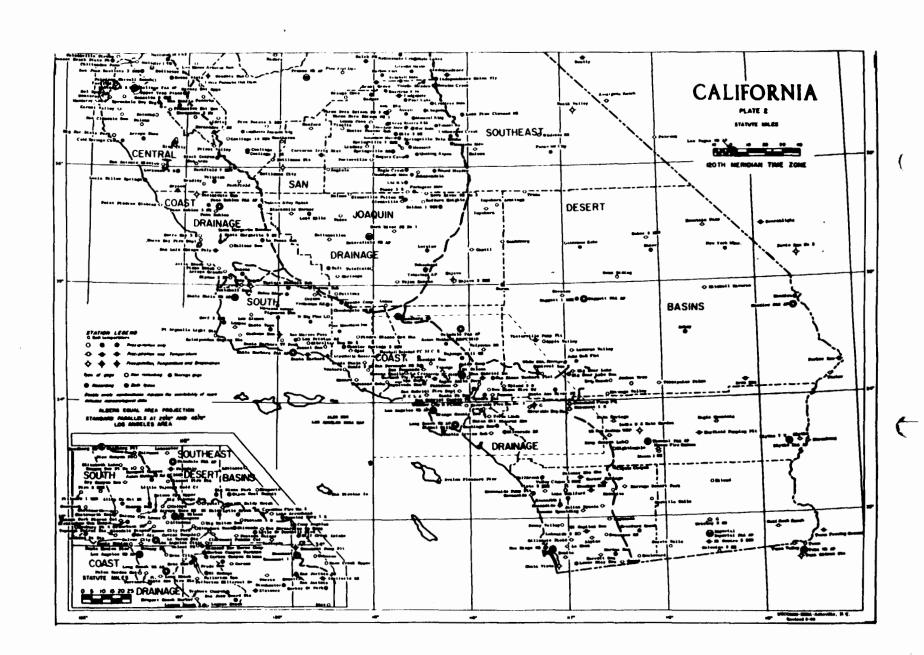
Volume 1
Alabama-Montana



Based on period 1931-60







CGRASTEI (21) R9IRM/LP1 * File name: Server PS_R9IRM * Directory: Description: LPT1 Catch August 28, 91 3:51pm GGG RRRR SSS TTTTT EEEEE III Α E CG GR R АА S S T Ι C R R A A S T E Ι G C G GGG RRRR Α Α SSS T EEEE I C AAAAA T E I G GRR S CG G R R Α A S S T E Ι Т RA Α SSS EEEEE III CCC GGGG R L SSS TTTTT L S S Т L S T :: SSS Т L :: L S Т L Т S :: LLLLLSSS ::

HAYWARD : QUAD

California Department of Fish and Game Natural Diversity Data Base

---==[*]===---

Species/Community Location Summary Report

RANA AURORA DRAYTONI

California Red-legged Frog

----- Status----- NDDB Element Ranks

-----Other Lists-----

Federal: Category 2

Global: G4T2T3

CDFG: Special Concern

State: None

State: S2S3

Audubon:

CNPS List: CNPS RED Code:

Occurrence Number: 34

Quality: Poor

--Dates Last Seen--

Type: Natural/Native occurrence

Element: 1990/07/10

Presence: Presumed Extant

Site: 1990/07/10

ID: AAABH01022

Trend: Unknown Quad Summary: Hayward

County(ies): Alameda

Location: GARIN REGIONAL PARK, 2.6 MI SE OF CSU HAYWARD, ALAMEDA COUNT

Y. 1 ADULT FOUND IN POND.

Lat/Long: 37d 37m 52s / 122d 0m 56s

Township: 03S

UTM: Zone-10 N4165143 E586863

Range: 01W

Mapping Precision: SPECIFIC (80m Mile)

Section: -- -- Qt

Symbol Type: POINT

Meridian: M

Map Index Numbers - Group: 17146

Acres: N/A

Detail: 17146

Elevation: 900 ft

Other Elements to Look for on HAYWARD Quad

PHALACROCORAX AURITUS (ROOKERY SITE)

ABNFD01020

DOUBLE CRESTED CORMORANT

Federal Staus: None

Global Rank: G5

State Status.: None

Habitat Associations-----

State Rank: S2

General .: COLONIAL NESTER ON COASTAL CLIFFS AND OFFSHORE ISLANDS, AND ALONG LAKE MARGINS IN THE INTERIOR OF THE STATE.

Micro...: NEST ALONG COAST ON SEQUESTERED ISLETS, USUALLY ON GROUND WITH SLOPING SURFACE, OR IN TALL TREES ALONG

LAKE MARGINS.

Location ..: HAYWARD-SAN MATEO BRIDGE, S SAN FRANCISCO BAY.

Source...: CARTER, ET AL, 1989 (LIT)

Last Seen.: 1988-XX-XX

CHARADRIUS ALEXANDRINUS NIVOSUS

ABNNB03031

WESTERN SNOWY PLOVER

Federal Staus: Category 2

Global Rank: G4?T3 State Rank: S2S3

State Status.: None Habitat Associations-----

General.: Micro...:

Location ..: BAY FARM ISLAND, SOUTH SAN FRANCISCO BAY.

Source...: PAGE AND STENZEL, 1981 (LIT)

Last Seen.: 1979-XX-XX

HAPLOTREMA DURANTI

IMGAS36060

DURANTS SNAIL

Federal Staus: None

Global Rank: G2G3

State Status.: None

State Rank: S2S3

Habitat Associations-----

General .: RESTRICTED TO SANTA CRUZ, SANTA BARBARA, AND SAN

NICOLAS ISLANDS.

Micro...: OCCUPIES DIVERSE HABITATS: BENEATH LEAVES, BRANCHES, AND OTHER DEBRIS; UNDER LOGS; UNDERSIDE OF ROCKS AND

DIRT CLODS.

Location ..: HILLS BACK OF HAYWARD. Source...: INGRAM, W. 1949 (LIT)

Last Seen.: XXXX-XX-XX

TRYONIA IMITATOR

IMGASJ7040

MIMIC TRYONIA (=CALIFORNIA BRACKISHWATER SNAIL)

Global Rank: G2G3

Federal Staus: Category 2

State Rank: S2S3

State Status.: None

Habitat Associations-----

General.: INHABITS COASTAL LAGOONS AND SALT MARSHES, FROM SONOMA

COUNTY SOUTH TO SAN DIEGO COUNTY.

Micro...: LIVES SUBTIDALLY, AND INHABITS A VARIETY OF SEDIMENT

TYPES; ABLE TO WITHSTAND A WIDE RANGE OF SALINITY.

Location ..: BAY FARM ISLAND, W OF OAKLAND.

Source...: KELLOGG, M. 1985 (LIT)

Last Seen.: XXXX-XX-XX

Other Elements to Look for on HAYWARD Quad

LASTHENIA CONJUGENS

PDAST5L040

CONTRA COSTA GOLDFIELDS

Global Rank: G1

Federal Staus: Category 1
State Status: None

State Rank: S1.1

Habitat Associations-----

General .: VALLEY AND FOOTHILL GRASSLAND, VERNAL POOLS

Micro...: VERNAL POOLS IN OPEN GRASSY AREAS, UP TO 700 FT.

Location ..: NEWARK.

Source...: DAVY, J.B. #1107 UC (HERB)

Last Seen.: 1895-05-06

ERIOGONUM TRUNCATUM

PDPGN085Z0

MT. DIABLO BUCKWHEAT

Federal Staus: Category 2 Global Rank: GH
State Status: None State Rank: SH

State Status.: None
Habitat Associations-----

General: CHAPARRAL, COASTAL SCRUB, VALLEY AND FOOTHILL GRASSLAND

Micro...: DRY, EXPOSED CLAY OR ROCK SURFACES; 1000-2000 FT

Location ..: ALAMO CYN, E FACING SLOPE ABOVE WILSONS BARN. (MAPPED

NEAR ALAMO CREEK.)

Source...: BOWERMAN, M. #2198 DS, UC, RSA, (HERB)

Last Seen.: 1933-05-25

CORDYLANTHUS MARITIMUS SSP PALUSTRIS

PDSCR0J0C3

PT. REYES BIRD'S-BEAK

Federal Staus: Category 2 Global Rank: G3T3
State Status: None State Rank: S2.1

Habitat Associations-----

General.: MARSHES AND SWAMPS (COASTAL SALT)

Micro...:

Location ..: ALAMEDA MARSH NEAR BAY FARM ISLAND.

Source...: JEPSON #6152 JEPS (HERB)

Last Seen.: 1917-12-10